

# Sidebar

Sidebar The Sidebar component is a comprehensive navigation component designed to provide structured navigation, user management, and content organization in modern web applications. It features collapsible functionality, nested menu structures, user profiles, and integrated search capabilities. The `<aava-sidebar>` component offers a flexible and responsive sidebar solution that can adapt to different screen sizes and user preferences, making it ideal for dashboards, admin panels, and complex navigation systems.

How to use  `import { AavaSidebarComponent, MenuItem, UserProfile } from "@aava/play-core"`; Basic Usage  Simple sidebar with basic navigation and user profile.

Angular Preview Code

```
<div class="sidebar-demo"><aava-sidebar [width]="sidebarWidth()" [collapsedWidth]="collapsedSidebarWidth()" [showCollapseButton]="true" [buttonVariant]="'inside'" [isCollapsed]="isCollapsed()" [position]="'left'" (collapseToggle)="onCollapseToggle($event)"><div class="demo-header-content"><span class="header-title">My App</span></div><ul slot="content" class="demo-content"><li *ngFor="let item of menuItems" [class.active]="item.active" class="nav-item"><span class="nav-icon">{{item.icon}}</span><span *ngIf="!isCollapsed()">{{item.label}}</span></li></ul></aava-sidebar></div>
```

`isCollapsed = signal < boolean > ( false );`  
`sidebarWidth = signal < string > ( '280px' );`  
`collapsedSidebarWidth = signal < string > ( '70px' );`  
`menuItems = [ { icon : '■', label : 'Dashboard' , active : true } , { icon : '■', label : 'Users' } , { icon : '■', label : 'Projects' } , { icon : '■', label : 'Analytics' } , { icon : '■■', label : 'Settings' } , ] ;`  
`onCollapseToggle ( collapsed : boolean ) : void { this . isCollapsed . set ( collapsed ) ; }`

Features

-  Responsive Design
-  Automatic size adjustments based on screen dimensions
-  Collapsible functionality for space optimization
-  Mobile-friendly collapsed state
-  Flexible Layout
-  Three size variants for different use cases
-  Configurable header and footer sections
-  Custom content projection slots
-  Advanced Navigation
-  Nested sub-menu support with expandable sections
-  Active state management for navigation items
-  Icon support for visual navigation
-  User Experience
-  Integrated search functionality
-  User profile display and interaction
-  Smooth collapse/expand animations
-  Customization
-  Logo and branding options
-  Theme-aware styling

CSS custom properties for theming

API Reference

Input Properties	Property Type	Default	Description
<code>width</code>	string	"Sidebar width"	Collapsed sidebar width
<code>collapsedWidth</code>	string	"108px"	Collapsed sidebar width
<code>height</code>	string	"Sidebar height"	Hover area width
<code>hoverAreaWidth</code>	string	"10px"	Hover area width
<code>showCollapseButton</code>	boolean	true	Show collapse/expand button
<code>buttonVariant</code>	string	"inside"   "outside"   "inside"	Collapse button position
<code>isCollapsed</code>	boolean	false	Initial collapsed state
<code>position</code>	string	"left"   "right"   "left"	Sidebar position
<code>toggleOffset</code>	number	400	Toggle button offset
<code>togglePosition</code>	string	"top"   "center"   "bottom"   "top"	Toggle button position
<code>customStyles</code>	Record<string, string> {}		Custom CSS styles

Output Events

Event Type	Description
<code>collapseToggle</code>	EventEmitter<boolean> Emitted when sidebar collapse state changes

Content Projection Slots

Selector	Description
<code>[slot=content]</code>	Custom content above the navigation menu
<code>[slot=footer]</code>	Custom footer content above user profile

Best Practices

-  Menu

Organization ■ Logical Grouping : Group related menu items together Hierarchical Structure : Use sub-menus for complex navigation Consistent Icons : Use meaningful and consistent icons for menu items Clear Labels : Provide descriptive text for navigation items Responsive Considerations ■ Mobile-First : Design for mobile devices first Collapsed State : Ensure collapsed sidebar remains functional Touch Targets : Maintain adequate touch target sizes Content Priority : Prioritize essential navigation in collapsed state User Experience ■ Search Integration : Implement search for applications with many menu items Active States : Clearly indicate current navigation location Smooth Transitions : Use smooth animations for state changes Accessibility : Ensure keyboard navigation and screen reader support Performance ■ Lazy Loading : Load sub-menu content on demand Efficient Rendering : Use OnPush change detection strategy Memory Management : Clean up event listeners and subscriptions Styling ■ The sidebar component uses CSS custom properties for theming: CSS Custom Properties ■ Property Default Value Description --sidebar-background #ffffff Background color of the sidebar --sidebar-border #e2e8f0 Border color of the sidebar

```

<div class="sidebar-demo">
  <aava-sidebar
    [width]="sidebarWidth()"
    [collapsedWidth]="collapsedSidebarWidth()"
    [showCollapseButton]="true"
    [buttonVariant]="'inside'"
    [isCollapsed]="isCollapsed()"
    [position]="'left'"
    (collapseToggle)="onCollapseToggle($event)"
  >
    <div class="demo-header-content">
      <span class="header-title">My App</span>
    </div>

    <ul slot="content" class="demo-content">
      <li
        *ngFor="let item of menuItems"
        [class.active]="item.active"
        class="nav-item"
      >
        <span class="nav-icon">{{ item.icon }}</span>
        <span *ngIf="!isCollapsed()">{{ item.label }}</span>
      </li>
    </ul>
  </aava-sidebar>
</div>

```

---

```

isCollapsed = signal<boolean>(false);
sidebarWidth = signal<string>('280px');
collapsedSidebarWidth = signal<string>('70px');

menuItems = [
  { icon: '■', label: 'Dashboard', active: true },
  { icon: '■', label: 'Users' },
  { icon: '■', label: 'Projects' },
  { icon: '■', label: 'Analytics' },
  { icon: '■■', label: 'Settings' },
];

onCollapseToggle(collapsed: boolean): void {
  this.isCollapsed.set(collapsed);
}

```